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## THE ECONOMIC JOURNAL

No. 275

SEPTEMBER 1959

Vol. LXIX

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Edited by L. S. PENROSE  
Contents of Vol. XXIV. Part 1. February 1960

- The familial incidence of twinning. M. G. BULMER.  
Data on the gestation period of Indian mothers. V. BALAKRISHNAN and N. K. NAMBOODIRI.  
Micro-evolution among the Susak Islanders. Inbreeding, sterility, blood groups and red hair. ZLATA DOLINAR.  
The intellectual resemblance between sibs. J. MAXWELL and A. E. G. PILLNER.  
A genetical analysis of thirty families with Wilson's Disease. A. G. BEARN.  
Somatic chromosome complement in continuously cultured cells of two individuals with gonadal dysgenesis. M. FRACCARO, K. KAUSER and J. LINDSTEN.  
The occurrence of two unusual serum protein phenotypes in a single pedigree. H. HARRIS, SYLVIA D. LAWLER, ELIZABETH B. ROBSON and O. SMITHIES.  
Contribution to the heredity of the P.T.C. taste character. JOSÉ PONS.  
A note on the frequency of ABO heterospecific pregnancy. G. KNOX.  
The chromosomes in two patients with Klinefelter Syndrome. S. BERGMAN, J. REITALU, H. NOWAKOWSKI and W. LENZ.  
Ectrodactyly. Evidence in favour of a disturbed segregation in the offspring of affected males. A. C. STEVENSON and L. M. JENNINGS.  
Taste sensitivity to PTC in samples from three Brazilian populations. A. FREIRE-MAIA and A. QUELCE-SALGADO.  
Reviews.

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The representatives of most of the British

member-associations who were present may well feel that both the "Anglo-Saxon view" and the Asian were more effectively communicated and understood at Zurich than at any previous conference sponsored by the *Union*. For this they have again to thank the President and the Secretariat.

# POPULATION STUDIES

## A Journal of Demography

Edited by D. V. GLASS and E. GREBENIK

Vol XIII No. 1.

CONTENTS

July 1959

W. D. BORRIE

The Growth of the Australian Population with Particular Reference to the Period Since 1947.

R. K. KELSALL and  
SHEILA MITCHELL

Married Women and Employment in England and Wales.

RAYMOND T. SMITH

Some Social Characteristics of Indian Immigrants to British Guiana.

GALINA V. SELEGEN

Changing Features in the Soviet Population Census Programme.

J. G. C. BLACKER

Fertility Trends of the Asian Population of Tanganyika.

D. F. ROBERTS and

A Demographic Study in an Area of Low Fertility in North-east Tanganyika.

R. E. S. TANNER

E. P. HUTCHINSON

Swedish Population Thought in the Eighteenth Century.

R. P. DORE

Japan: Country of Accelerated Transition (Review article).

Book Reviews

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# POPULATION REVIEW

*Biannual Journal of Asian Demography*

EDITOR: S. CHANDRASEKHAR

JULY 1959

VOL. 3, NO. 2

## CONTENTS

**China's Population Problems: A Report**

PROFESSOR S. CHANDRASEKHAR

**An Approach to the Cultural Base of Infant Mortality in India**

DR. ALFRED YANKAUR

**How Japan halved her Birth Rate in Ten Years and the Lessons for India**

SHRI R. A. GOPALASWAMY

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# PHYSIOLOGICAL ZOÖLOGY

Edited by Thomas Park, University of Chicago

Reproductive Cycles of Five West Coast Crabs.

R. A. BOOLOOTIAN, A. C. GIESE, A. FARMANFARMAIAN and J. TUCKER

Intranuclear Co-ordination in *Tetrahymena*.

D. L. NANNY and S. L. ALLEN

Sea-Water and Salt Utilization by Savannah Sparrows.

TOM J. CADE and GEORGE A. BARTHOLOMEW

Changes in Activities of Uricase and Xanthine Oxidase during Life-Cycle of Japanese Beetle (*Popillia japonica* Newman).

DONALD J. ROSS

Formation and Distribution of Esterase in Gammarids.

W. L. DOYLE, R. RAPPAFORT and M. E. DOYLE

Studies on the Physiology of the Masked Shrew *Sorex cinereus*.

PETER MORRISON, FRED A. RYSER and ALBERT R. DAWE

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M. K. K. PILLAI and K. N. SAXENA

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# RECENT ADDITIONS TO THE LIBRARY

The following books have been added to the Society's Library during the past quarter.

**Bacon, Allan.** *Man's Next Billion Years.* 1959. Pp. 89. Presented by Mr. C. W. Usher.

**Chesser, Eustace.** *Odd Man Out: Homosexuality in men and women.* 1959. Pp. 192. Presented by the author.

**F.A.O./U.N.** *The State of Food and Agriculture 1959.* Pp. 197.

**Freedman, Ronald, Whelpton, Pascal K. and Campbell, Arthur A.** *Family Planning, Sterility and Population Growth.* 1959. Pp. 515.

**Genetics.** *Proceedings of the Tenth International Congress of Genetics. August 20th-27th, 1958. McGill University, Montreal.* 1958 and 1959. Volume I, Papers. Pp. 537; Volume II, Abstracts. Pp. 339. Presented by Dr. J. A. Fraser Roberts.

**Hill, Reuben, Stycos, J. Mayone and Back, Kurt.** *The Family and Population Control: A Puerto Rican experiment in social change.* 1959. Pp. 481. Presented by Mr. P. R. Cox.

**International Union of Family Organizations.** *Redécouverte de la famille à travers le monde.* Symposium, 1958 Congress. 1959. Pp. 272.

**Norris, Vera.** *Mental Illness in London.* Maudsley Monographs Number Six. 1959. Pp. 317.

*Registrar General's Statistical Review of England and Wales for the Year 1955.* Supplement on Hospital In-patients Statistics. 1959. Pp. 206.

**Smith, D. Robertson and Davidson, William M.** (Editors). Foreword by Professor Robert Platt. *Symposium on Nuclear Sex.* 1958. Pp. 188. Presented by Dr. C. O. Carter.

**Thompson, Warren S.** *Population and Progress in the Far East.* 1959. Pp. 443.

# ELECTIONS TO THE SOCIETY

The following were elected Fellows (\*) and Members of the Eugenics Society during the past quarter:

\* C. N. Armstrong, Esq., M.D., F.R.C.P., D.P.H. G. W. Bartholomew, Esq., B.Sc. (Econ.), LL.B.

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*Summary of Volume XIV, December 1958.*

C. GINI: La localizzazione della Vinlandia.

A. J. GREGOR, M.A.: The Logic of Race Classification.

OLIVIA ROSSETTI AGRESTI: Progresso o Decadenza?

C. CURATO: Voci di natura e di civiltà diverse nel parlare degli Italiani.

Rassegna: C. GINI: La scuola storica-culturale.

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the basis of the incomparably fuller and richer information which is now available, summarises his ideas with almost identically the same analogy as I used some twenty years ago. Pontecorvo writes (p. 128): "The analogy of the genetic material with a written message is a useful commonplace. The important change is that we now think of the message as being in handwritten English rather than in Chinese. The words are no longer units of structure, of function, and of copying, like the ideographic Chinese characters, but only units of function emerging from characteristic groupings of the newly arranged letters." In my *Introduction to Modern Genetics*, p. 398, I had written: "One might symbolically represent the chromosome thus:

abcd'e'f'g'hijklMNOPQRSTU'V'W'

where there are differences on three scales, between the capitals and lower case letters;

normal, underlined and dashed letters; and finally the letters themselves. . . . It is then possible to conceive of the chromosome as a linear array of units, the units themselves forming a hierarchy all the way from heterochromatic and euchromatic regions, some tens of thousands of  $m\mu$  long, to polypeptide links only a few tenths of a  $m\mu$  long." The great difference, of course, between our present view and the old one is that we now consider the smallest units to be more probably nucleotide links rather than peptide links. But the type of organisation which we are led to attribute to the chromosome is essentially the same.

This book represents the intellectual harvest from one of the most important and profound bodies of original biological experimentation carried out in this country for many years. There can be no biologist who would not profit greatly from reading it.

C. H. WADDINGTON

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Correspondence pertaining to membership in THE AMERICAN SOCIETY OF HUMAN GENETICS or to general society affairs should be addressed to the Secretary of the Society, Dr. W. J. Schull, Department of Human Genetics, University of Michigan, Ann Arbor, Michigan.

**Swedish Population Thought in the Eighteenth Century** by E. P. HUTCHINSON.  
In that country, in those days, a growing population was thought to be desirable in order to stimulate production and strengthen defence.

**Japan: Country of Accelerated Transition** by R. P. DORE.  
This is a review article of some length devoted to

Dr. Irene Taeuber's new book *The Population of Japan* (1958). This is described as a standard reference work that will serve as a landmark in demographic analysis.

Among many other new books reviewed are *India's Food Resources and Population* by P. C. Bansil.  
P. R. C.

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By Lord Simon of Wythenshawe, LL.D., 1955

# CORRESPONDENCE

*The Eugenics Society is not responsible for opinions expressed by correspondents*

## INTRA-UTERINE DEVICES

*To the Editor, The Eugenics Review*

Sir,—Dr. Mears\* demurs to my contention that intra-uterine devices should be regarded as pernicious and goes on to suggest that a significant body of gynaecological opinion favours the Grafenberg ring. That suggestion is somewhat at variance with the Report of the Royal Commission on Population which refers to this method, *inter alia*, as one that is both condemned and used by few doctors (*Report of the Biological and Medical Committee*. Vol. IV, para. 45.) If, as Dr. Mears admits, doctors who recommend the Grafenberg ring tend to deem it prudent to restrict its use to women who have finished child bearing, while other women are liable to find themselves delivered of the ring at the same time as the baby whose conception it has failed to prevent, these considerations appear to reinforce rather than mitigate the further contra-indications involving physiological mischief.

Competent medical opinion may surely be reflected in the judgements of the Director of the Fertility Clinic of University College Hospital, who has exposed a basic unreliability in stating

that about one ring in eight is extruded without the patient's knowledge. Regarding stem pessaries, he states they are frequently responsible for endometritis, salpingitis and peritonitis and that by their prolonged irritant action, they may dispose to the development of cancer. "There seems to be no doubt," he writes, "That they act by preventing the implantation of the fertilized ovum as the result of chronic inflammation of the endometrium," and adds that "Grafenberg rings are no less objectionable." Left in place for months or years and probably acting as abortifacients rather than as true contraceptives, this writer goes on to say that this probability alone condemns the Grafenberg ring in the view of most authorities. Like stem pessaries, these rings "may be responsible for uterine or tubal infection, and for heavy uterine bleeding." (Swyer, G.I.M. 1954. *Reproduction and Sex*. p. 175.)

Until evidence is produced which demolishes the facts which have formed such judgements as these, there is good reason for rejecting intra uterine contraceptive devices of every kind.

HERBERT BREWER

31 Mundon Road,  
Maldon, Essex.

\* THE EUGENICS REVIEW, October 1959, 15, 197.

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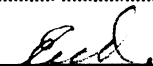
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